

Converting Colors

XYZ(12.9652, 15.0277, 29.5296)

Have a look what the booklet for
XYZ(12.9652, 15.0277, 29.5296)
contains.

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Color

**XYZ(12.9505, 15.0095,
29.4087)**

Conversions

Conversions Part 1

Format	Color
Hex	3A7292
RGB	58, 114, 146
RGB Percent	23%, 45%, 57%
CMY	0.7725, 0.5529, 0.4274
CMYK	0.60, 0.22, 0.00, 0.43
HSL	202°, 43%, 40%
HSV	202°, 60%, 57%
XYZ	12.9505, 15.0095, 29.4087
YIQ	100.9040, -43.6480, -1.9200

Conversions

Conversions Part 2

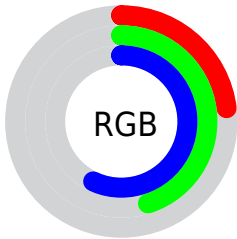
Format	Color
RYB	58, 92, 146
Decimal	3830418
CIELab	45.65, -8.43, -22.99
CIELCh	46, 24.490, 249.859
Yxy	15.0095, 0.2257, 0.2616
Android (android.graphics.Color)	4282020498 (0xFF3A7292)
YUV	100.9040, 22.2323, -37.6268
Hunter-Lab	38.7421, -8.1306, -17.8869

Details

The XYZ color **12.9505, 15.0095, 29.4087** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.2743, 13.7293, 5.7957**, and the grayscale version is **12.2979, 12.9383, 14.0899**.

A 20% lighter version of the original color is **30.8716, 34.9533, 59.7631**, and **4.0138, 4.7227, 11.5265** is the 20% darker color. If you saturate the color by 10%, you get **11.6375, 13.4695, 29.1809**, and if you desaturate by 10%, it is **14.5400, 16.7442, 29.6600**.

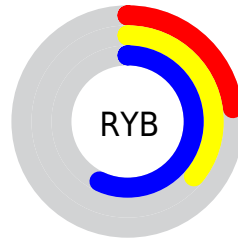
Distribution



Red (23%)

Green (45%)

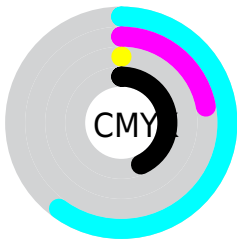
Blue (57%)



Red (23%)

Yellow (36%)

Blue (57%)

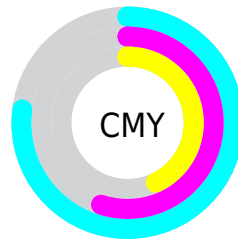


Cyan (60%)

Magenta (22%)

Yellow (0%)

Black (43%)



Cyan (77%)

Magenta (55%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9505, 15.0095, 29.4087 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.9505, 15.0095, 29.4087 by changing the saturation by 10% instead.

■ 12.9505, 15.0095,
29.4087

■ 12.9505, 15.0095,
29.4087

204.2442,
223.4237, 313.2595

■ 7.4712, 8.8261,
19.1420

■ 30.8169, 34.8698,
59.7757

■ 3.8074, 4.6279,
11.5951

■ 43.9347, 49.3155,
80.7131

■ 1.5938, 2.0306,
6.3494

■ 60.3295, 67.2841,
106.0444

■ 0.3884, 0.6252,
2.9865

■ 80.3665, 89.1599,
136.1883

■ 0.0000, 0.0000,
1.0877

■ 104.4111,
115.3274, 171.5632

■ 0.0000, 0.0000,
0.0000

132.8287,

146.1709, 212.5876

165.9846,
182.0749, 259.6802

■ 12.9505, 15.0095,
29.4087

■ 12.9505, 15.0095,
29.4087

■ 11.6375, 13.4695,
29.1809

■ 14.5400, 16.7442,
29.6600

■ 10.5780, 12.1107,
28.9745

■ 16.4235, 18.6826,
29.9349

■ 9.7473, 10.9197,
28.7884

■ 18.6188, 20.8351,
30.2347

■ 9.0948, 9.8882,
28.6237

■ 21.1418, 23.2106,
30.5602

■ 24.0073, 25.8175,
30.9124

■ 27.2289, 28.6636,
31.2919

■ 30.8196, 31.7565,
31.6997

■ 34.7918, 35.1031,
32.1363

■ 39.1572, 38.7104,
32.6025

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



11.4473, 15.0095, 24.7048



12.9505, 15.0095, 29.4087



14.9522, 15.0095, 30.1907

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.9505, 15.0095, 29.4087



18.5160, 15.0095, 14.4838



11.8844, 15.0095, 9.1144

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.9505, 15.0095, 29.4087



16.2743, 13.7293, 5.7957

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.6013, 15.0095, 7.5482



12.9505, 15.0095, 29.4087



17.5133, 15.0095, 10.1191

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.9505, 15.0095, 29.4087



18.2991, 15.0095, 20.5494



15.6679, 15.0095, 7.8656



10.8739, 15.0095, 12.7534

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.9505, 15.0095, 29.4087



16.3214, 15.0095, 28.2282



15.6679, 15.0095, 7.8656



12.3909, 15.0095, 8.3729

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.9510, 15.0100, 29.4091



38.2132, 41.7910, 54.0260



13.8190, 22.1756, 12.9597



8.2211, 9.0386, 11.9835



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.9510, 15.0100, 29.4091



19.8878, 22.9644, 51.3579



9.1996, 7.5073, 28.1586



5.7886, 6.2111, 7.3635



8.0250, 8.7448, 25.1960



0.1263, 0.1633, 0.3178

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.4048, 10.3525, 17.0538



26.8594, 15.1845, 26.0546



20.9783, 23.1372, 7.3637



5.9467, 5.8738, 6.8256



12.1777, 6.0761, 9.6828



0.1632, 0.0800, 0.1932

Previews

White Background



This preview shows how the XYZ color 12.9505, 15.0095, 29.4087 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.9505, 15.0095, 29.4087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

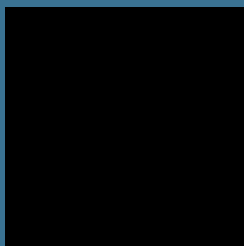
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

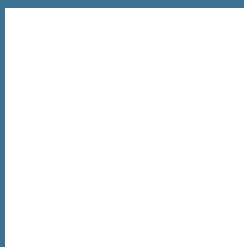
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9505, 15.0095, 29.4087

Background



This preview shows how black text looks on a background with the XYZ color 12.9505, 15.0095, 29.4087.

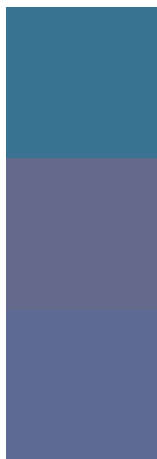


This preview shows how white text looks on a background with the XYZ color 12.9505, 15.0095,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.9505, 15.0095, 29.4087

Protanopia

15.0332, 14.8542, 26.8857

Deuteranopia

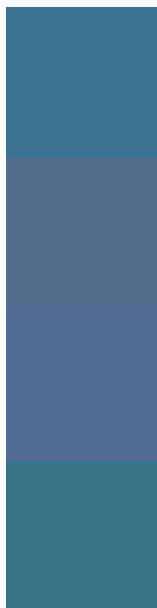
15.2186, 14.8791, 30.0868



Tritanopia

11.4587, 14.9079, 22.3522

Trichromacy



Original Color

12.9505, 15.0095, 29.4087

Protanomaly

14.0073, 14.7751, 27.7048

Deuteranomaly

14.2148, 14.8377, 29.7185

Tritanomaly

11.9646, 14.9421, 24.8078

Monochromacy



Original Color

12.9505, 15.0095, 29.4087

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1112, 13.5237, 18.8016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9505, 15.0095, 29.4087 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(58, 114, 146)` looks like.

```
.text, #text, p{  
    color:rgb(58, 114, 146)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(58, 114, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 114, 146) }
```

Border

The CSS property to change the border of an element to XYZ 12.9505, 15.0095, 29.4087 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(58, 114, 146) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(58, 114, 146) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(58, 114, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 114, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 114, 146);  
box-shadow:4px 4px 4px 4px rgb(58, 114,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9505, 15.0095, 29.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 114, 146) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(58, 114,  
146) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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